

(d) if so, the time by which it is likely to be done; and

(e) if not, the reasons thereof ?

THE MINISTER OF PETROLEUM AND NATURAL GAS (SHRI JANESHWAR MISHRA) : (a) and (b) Yes, Sir.

In the interest of preservation of forests since the last few years, the Government have been following the policy of according priority in the release of LPG connections to the Hilly areas. In January, 1996, Government directed the oil companies to release LPG connections on demand to the applicants in hilly areas above 4500 ft. altitude, from 1st January, 1996 and in hilly areas falling in altitude between 2000 ft. and 4500 ft., from 1st April, 1996 after liquidating the waiting list. During the year 1996-97, 5.43 lakh LPG connections were released in the hilly areas equal to 23.2% of total release of 23.4 lakh connections in the country.

(c) No, Sir.

(d) Does not arise in view of (c) above.

(e) Sub-hilly areas of Chhota Nagpur Santhal Pargana of Bihar are not covered in the classification of hilly areas.

[English]

#### Bombay High Reservoir

278. SHRI K.S. RAYUDU : Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state:

(a) whether ONGC has been technically incompetent in maintaining the health of the Bombay High Reservoir;

(b) if so, the corrective steps taken by the Government to improve the health of the Reservoir;

(c) whether the irreversible damages has been done by a casual management of the Reservoir;

(d) if so, whether any technical committee has enquired into the matter; and

(e) if so, the action taken by the Government in this regard ?

THE MINISTER OF PETROLEUM AND NATURAL GAS (SHRI JANESHWAR MISHRA) : (a) and (b) There have been problems in the Bombay High Oil fields due to unpredictable reservoir behaviour. A number of steps have been taken by ONGC to rehabilitate Bombay High. These are :-

(i) Adoption of specialised technologies such as Extended Reach Drilling horizontal and drain hole drilling, infill drilling and side track.

(ii) Repair of wells for controlling of excessive gas and water production by conventional methods.

(iii) Redistribution of water injection for improved conformance.

(iv) The removal and inhibition of scale in the formation.

(v) Augmentation of Water injection for maintenance of reservoir pressure.

(c) and (d) Government had set up a Bombay High Review Committee headed by Shri A.B. Dasgupta to enquire into the management of the Bombay High in view of the increasing gas and oil ratio and decreasing trend in crude oil production. The Committee in its findings had opined that. There is no evidence to indicate that losses in production of exploitable reserves have resulted due to delays in putting up of facilities and implementation of pressure maintenance schemes of ONGC. Another, a Committee has been set up by the Government in November, 1996 to enquire into the reasons for shortfall in production during 1996-97. The Committee has not yet submitted its report.

(e) Several of the recommendations of the Bombay High Review Committee such as closure and repair of high GOR wells, increased workover jobs for water shut off thereby improving voidage, compensation, were implemented by ONGC with varying degree of success.

#### Krishna Valley Projects

279. SHRI MADHAVRAO SCINDIA :  
SHRI SATYAJITSINH DULIPSINH GAEKWAD :

Will the Minister of WATER RESOURCES be pleased to state :

(a) whether resettlement and rehabilitation of the persons displaced by the Krishna Valley projects has been going on at a snails pace and is nowhere near matching the pace of the 90 large and medium projects;

(b) if so, the number of families displaced;

(c) the progress made so far in resettlement and rehabilitation of the evictees; and

(d) the pace of rehabilitation of evictees compared with those from Narmada Dam and the foreign aid extended to Narmada Dam evictees ?

THE MINISTER OF STATE OF THE MINISTRY OF WATER RESOURCES (SHRI SIS RAM OLA) : (a) to (d) The three basin States of Krishna Valley, namely, Maharashtra, Karanataka and Andhra Pradesh have constructed/are constructing 141 major and medium projects. The information asked for is very voluminous and they are not centrally maintained.

[Translation]

#### Exploration of Crude Oil

280. SHRI NAND KUMAR SAI :  
SHRI SATYA DEO SINGH :

Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state :

(a) whether the Oil and Natural Gas Commission has started the work for exploration of curde oil in the country during 1997;

(b) if so, the names of places where the exploration work has been taken up;

(c) the estimated expenditure likely to be incurred on exploration of oil;

(d) by when the result of this oil exploration is likely to be received; and

(e) by when India is likely to become sefl-sufficient in oil ?

THE MINISTER OF PETROLEUM AND NATURAL GAS (SHRI JANESHWAR MISHRA) : (a) Yes. Sir.

(b) During the year 1997 ONGC has carried out exploration (surveys and exploratory drilling) in the following new areas/structures/prospects :-

#### Surveys :

Area	Basin
Narayan Chara (Assam)	Cachar
Shahbajpur (Assam)	Cachar
Najot-Ramnagar (J&K)	Himalayan Foothills
Rajouri-Kalakot (J&K)	Vindhayan
Kumhari-Katni-Panna (MP)	Vindhayan
Gowadi-Kankari-Tamiya (MP)	Satpura
East of Miajler	Rajasthan
Dhanduka-Viramgam (Gujarat)	Cambay
East of Borsad-Anklav (Gujarat)	Cambay
East of Nadiad (Gujarat)	Cambay

#### Exploratory Drilling :

Structure/Prospect	Basin
Manginapudi	Krishna Godavari
Kandikuppa	Krishna Godavari
Periyapattinam	Cauvery
Nayveli	Cauvery
Nagangudi	Cauvery
Telavi	Cambay
Balasar	Cambay
MPS	Mumbai Offshore
B-23A	Mumbai Offshore
B-5A	Mumbai Offshore
EDC	Mumbai Offshore
D-5	Mumbai Offshore
BSE	Mumbai Offshore

ONGC has planned to carry out exploration (Surveys and exploratory drilling) in the following new areas/ structures/prospects during the remaining part of the year 1997 :-

#### Surveys

Area	Basin
Chanderpur-Baikantapur (Assam)	Cachar
Rajouri-Kalakot (J&K)	Himalayan Foothills
Kumhari-Katni-Panna (MP)	Vindhayan
South of Padra	Cambay

#### Exploratory Drilling :

Structure/Prospect	Basin
Ambajipeta	Krishna Godavari Onland
Gokarnapuram	Krishna Godavari Onland
Viravasaram	Krishna Godavari Onland
Donapadu	Krishna Godavari Onland
Pendurru	Krishna Godavari Onland
Maddapuram	Cauvery Onland
Kokkur	Cauvery Onland
Uthirangudi	Cauvery Onland
Kodiya Kkarai	Cauvery Onland
Siruvattur	Cauvery Onland
Ramanavalsai	Cauvery Onland
Kokuvur	Cauvery Onland
EDA	Mumbai Offshore